

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES


Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- ✓ • BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



THOMSON

DELPHION



RESEARCH
[Log Out](#) [Work Files](#) [Saved Searches](#) [My Account](#) | [Products](#)

PRODUCTS
Search: [Quick/Number](#) [Boolean](#) [Advanced](#) [Derwent](#)

INSIDE DELPHION
[Help](#)

The Delphion Integrated View

Buy Now: ☒ PDF | [More choices...](#)
Tools: Add to Work File: [Create new Work File](#)  

Vi w: [INPADOC](#) | Jump to: [Top](#)  Go to: [Derwent](#)  [Email this to a friend](#)

🔍 Title: **JP1238890A2: FLOATING BODY SUCH AS BALLOON, AEROSTAT, ETC., AND MANUFACTURE THEREOF**

🔍 Derwent Title: Mfg. complex shaped balloons having different inflatable part - by folding and pleating multi-layer film before heat sealing [\[Derwent Record\]](#)

🔍 Country: JP Japan
🔍 Kind: A (See also: [JP6051075B4](#))

🔍 Inventor: **NOGUCHI TATSURO;**

🔍 Assignee: **NIPPON MATAI KK**
[News, Profiles, Stocks and More about this company](#)

🔍 Published / Filed: **1989-09-25 / 1988-03-19**

🔍 Application Number: **JP1988000066368**

🔍 IPC Code: **A63H 27/10;**

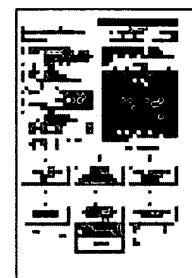
🔍 Priority Number: **1988-03-19 JP1988000066368**

🔍 Abstract:

PURPOSE: To produce such a floating body as complex in form inexpensively in cost by installing one bulged part with a gas filler port, and also plural pieces of identical expanded parts being interconnected to this bulged part.

CONSTITUTION: A right part from a fold 5 of a multilayer film 1 folded is a folding part 8, and the fold right part is a nonfolding part 9. A heat seal is applied as linear outline 10, and a parallel straight part 10' serves as a gas filler port 11. A circular part 10" in the nonfolding part 9 is one part of the linear outline 10 turning to one sphere or a bulged part 13, and a circular part 10''' in the folding part 8 is one part of the linear outline 10 turning to two spheres or expanded parts 14, 14. Next, when the excess multilayer film 1 is removed as being cut along the outside of the linear outline 10, a floating body 12 is securable.

COPYRIGHT: (C)1989,JPO&Japio



[View Image](#)

1 page

🔍 INPADOC Legal Status: None Buy Now: [Family Legal Status Report](#)

🔍 Family: [Show 7 known family members](#)

🔍 Other Abstract Info: None





(19)

(11) Publication number:

01238890 A

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **63066368**(51) Intl. Cl.: **A63H 27/10**(22) Application date: **19.03.88**

(30) Priority:

(43) Date of application
publication: **25.09.89**(84) Designated contracting
states:(71) Applicant: **NIPPON MATAI KK**(72) Inventor: **NOGUCHI TATSURO**

(74) Representative:

**(54) FLOATING BODY SUCH
AS BALLOON, AEROSTAT,
ETC., AND MANUFACTURE
THEREOF**

(57) Abstract:

PURPOSE: To produce such a floating body as complex in form inexpensively in cost by installing one bulged part with a gas filler port, and also plural pieces of identical expanded parts being interconnected to this bulged part.

CONSTITUTION: A right part from a fold 5 of a multilayer film 1 folded is a folding part 8, and the fold right part is a nonfolding part 9. A heat seal is applied as linear outline 10, and a parallel straight part 10' serves as a gas filler port 11. A circular part 10" in the nonfolding part 9 is one part of the linear outline 10 turning to one sphere or a bulged part 13, and a circular part 10''' in the folding part 8 is one part of the linear outline 10 turning to two spheres or expanded parts 14, 14. Next, when the excess

multilayer film 1 is removed as being cut along the outside of the linear outline 10, a floating body 12 is securable.

COPYRIGHT: (C)1989,JPO&Japio

